

CLAIMS

What is claimed is:

1. A grill cooker, comprising:
a heating unit generating heat to grill food;
a grilling unit provided above the heating unit, with the food placed on the grilling unit;
and
an air cooling unit connected to the grilling unit to cool the grilling unit using air.
2. The grill cooker according to claim 1, wherein
the grilling unit comprises a grilling pipe, and
the air cooling unit comprises a blowing fan to blow air into the grilling pipe to cool the grilling unit.
3. The grill cooker according to claim 2, wherein
the grilling pipe has an inlet at one end and an outlet at another end thereof, and
the air cooling unit further comprises an air discharging pipe to connect the blowing fan to the inlet of the grilling pipe, the air entering the grilling pipe by the blowing fan blowing air into the air discharging pipe and being discharged to an outside of the grilling pipe through the outlet of the grilling pipe to maintain a temperature of the grilling pipe below a predetermined temperature.
4. The grill cooker according to claim 3, wherein the grill cooker further comprises a cabinet that is open at a top thereof to form an opening, and wherein
the cabinet includes the heating unit,
the grilling unit is seated on the opening of the cabinet, and
the air cooling unit is provided on an outer surface of the cabinet.
5. The grill cooker according to claim 4, further comprising a connection member provided on an upper portion of the cabinet to connect the air discharging pipe to the inlet of the grilling pipe.

6. The grill cooker according to claim 5, wherein the connection member comprises a tapered hole that is tapered in a direction from a top to a bottom of the connection member, the inlet of the grilling pipe being connected to an upper portion of the tapered hole, and the air discharging pipe being connected to a lower portion of the tapered hole to allow the grilling pipe to be removably connected to the air discharging pipe using the connection member.

7. The grill cooker according to claim 6, wherein the grilling unit further comprises a frame that is provided on an upper portion of the grilling pipe along an edge of the grilling pipe.

8. The grill cooker according to claim 7, wherein
the inlet of the grilling pipe is downward bent to be inserted into the tapered hole, and
the outlet of the grilling pipe is placed at a predetermined position of the frame to allow the frame to be cooled by the air discharged through the outlet of the grilling pipe.

9. The grill cooker according to claim 6, wherein the grilling pipe comprises a plurality of grilling pipes, the connection member comprises a plurality of connection members, and the air discharging pipe comprises a plurality of air discharging pipes, the plurality of connection members connecting the plurality of air discharging pipes to inlets of the plurality of grilling pipes, respectively.

10. The grill cooker according to claim 4, further comprising an grease collecting unit, provided in the cabinet under the grilling unit, to collect grease and sauces dripping from the food that is placed on the grilling unit during grilling of the food.

11. The grill cooker according to claim 10, wherein
the heating unit comprises a plurality of heating units that are respectively arranged on opposite side surfaces of the cabinet, and
the grease collecting unit comprises a plurality of heat reflecting plates that face the heating units, respectively, to allow heat generated from the heating units to be reflected on the grilling unit.

12. The grill cooker according to claim 6, wherein the upper portion of the tapered hole has a diameter greater than an outer diameter of the grilling pipe, the lower portion of the tapered hole has a diameter less than the outer diameter of the grilling pipe, and the diameter of the lower portion of the tapered hole is approximately equal to an outer diameter of the air discharging pipe.

13. A multipurpose cooking apparatus, comprising:
a housing having at least one recess on an upper portion of the housing; and
a grill cooker removably seated in the at least one recess, the grill cooker comprising
a heating unit generating heat to grill food,
a grilling unit provided above the heating unit, with the food placed on the grilling unit, and
an air cooling unit connected to the grilling unit to cool the grilling unit using air.

14. The multipurpose cooking apparatus according to claim 13, wherein
the grilling unit comprises at least one grilling pipe with an inlet and an outlet; and
the air cooling unit comprises
a blowing fan to blow air, and
an air discharging pipe to connect the blowing fan to the inlet of the grilling pipe,
with air entering the grilling pipe by both the blowing fan and the air discharging pipe, and then
being discharged to an outside of the grilling pipe through the outlet of the grilling pipe.

15. The multipurpose cooking apparatus according to claim 14, wherein the grill cooker further comprises:
a cabinet that is open at a top thereof to form an opening, and wherein
the cabinet contains the heating unit,
the grilling unit is seated on the opening of the cabinet, and
the air cooling unit is exteriorly provided on a lower portion of the cabinet.

16. The multipurpose cooking apparatus according to claim 15, further comprising a connection member provided on an upper portion of the cabinet to connect the air discharging pipe to the inlet of the grilling pipe, the connection member having a tapered hole that is tapered in a direction from a top to a bottom of the connection member, with the inlet of the grilling pipe being connected to an upper portion of the tapered hole, and the air discharging pipe being connected to a lower portion of the tapered hole to allow the grilling pipe to be removably connected to the air discharging pipe using the connection member.

17. The multipurpose cooking apparatus according to claim 13, further comprising a depression on a lower surface of the recess to receive the air cooling unit of the grill cooker, with an air hole on a surface of the depression to draw air into the air cooling unit to allow the grilling unit to be cooled by the air when the grill cooker is set in the recess, the air cooling unit being received in the depression.

18. The multipurpose cooking apparatus according to claim 17, wherein the air cooling unit extends downward from the lower portion of the cabinet and is received by the depression.